

Title (en)  
METHOD OF SAFE TRANSFER OF FILTER SEGMENTS IN THE PROCESS OF PRODUCING MULTI-SEGMENT FILTERS

Title (de)  
VERFAHREN FÜR DIE SICHERE ÜBERTRAGUNG VON FILTERSEGMENTEN BEIM VERFAHREN ZUR HERSTELLUNG VON MEHRSEGMENTFILTERN

Title (fr)  
PROCÉDÉ DE TRANSFERT SÉCURISÉ DE SEGMENTS DE FILTRES DANS LE PROCÉDÉ DE PRODUCTION DE FILTRES MULTI-SEGMENTS

Publication  
**EP 2453768 B1 20180502 (EN)**

Application  
**EP 10739719 A 20100624**

Priority  
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• PL 38854909 A 20090715

Abstract (en)  
[origin: WO2011008113A2] In the manufacture of segment filters, appropriately prepared segments (1) are transferred through a delivery zone (2) to a separation zone (4) equipped with a separating unit (5), and then transferred between the drivers (8) of a rotating disk (9) mounted on axis (10), which constitutes a transferring unit (11), and intercepted by the said unit (11.) in an interception zone (T), they are transferred individually through a transfer zone (12) to a placement zone (14), where they are positioned on the horizontal track of the grouping belt (13), and in the case of incorrect flow of filter segments (1) in any zone (2, 4, 7, 12, 14) and/or between the zones, the process of the transfer of the filter segments in at least one zone is interrupted, which causes the interruption of the filters production process. Detection of incorrect flow is effected by means of checking the resistance to motion of mechanisms by means of checking the driving torque of a motor in each zone, or by checking the change of the position of the mechanisms by means of a sensor (1\_7) fixed in the transferring unit (?) and/or the separating unit (5). The interruption of the process is effected by removal of the transferring unit (H) and/or the separating unit out of the filter segments' (1) flow track, and the removal may be effected by means of a pneumatic cylinder moving the transferring unit (H) along its guide (16) of the axis parallel to the axis of rotation (10) of the unit (H.) or the rotating the unit around the axis of the guide. Mounted together on one guide, the separating unit and the transferring unit may be removed together by moving along a guide perpendicular to the axis of rotation of the transferring unit or by rotating around the axis of a guide parallel to the axis of rotation of the transferring unit.

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